DEC 0 1 2003 Substitute Form PTO-1409

(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Information Disclosure Statement Application No. Attorney's Docket No. 10559-479001 09/863,217 Applicant Carl S. Marshall et al. by Applicant (Use several sheets if necessary) Group Art Unit Filing Date May 22, 2001 2671 (37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
5.6411	AA	US 4,600,919	07/15/1986	Stern			
50	AB	US 6,057,859	05/02/2000	Handelman et al.		RECE	VED
S.W.	AC	US 6,337,880	01/08/2002	Cornog et al.		ILOL	V J
Shr	AD	US 6,388,670	05/14/2002	Naka et al.		DEC 0 4	2003
5.4	AE	US 6,208,347	03/27/2001	Migdal et al.	T	echnology (enter 2600
SUL	AF	US 5,163,126	11/10/1992	Einkauf et al.			
SN	AG	US 5,124,914	06/23/1992	Grangeat			
سارکے	AH	US 5,731,819	03/24/1998	Gagne et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Trans	lation
\ Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
\	AI			•		_		!
•	AJ							
	AK							
	AL							
	AM							

Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner	Desig.				
Initial	ID	Document			
5.4	AN	Lewis "Pose Space Deformation: A Unified Approach to Shape Interpolation and Skeleton-Driven Deformation" Centropolis, New Orleans, LA, 165-172			
حا.ک	AO	Lasseter "Principles of Traditional Animation Applied to 3D Computer Animation" Pixar, San Rafael, California, 1987			
ζ.u·	AP	Thomas (Contributor) et al., "The Illusion of Life: Disney Animation" 47-51			
5.w·	AQ	Hoppe, "Progressive Meshes" Microsoft Research, 99-108, http://www.research.microsft.com/research/graphics/hoppe/			
Sir	AR	Popovic et al., "Progressive Simplicial Complexes" Microsoft Research, http://www.research.microsft.com/~hoppe/			
<u>ک</u> ک	AS	Hoppe "Efficient Implementation of progressive meshes" Coput. & Graphics Vol. 22, No. 1, pp. 27-36, 1998.			
SN	AT	Taubin et al., "Progressive Forest Spilt Compression" IBM T.J. Watson Research Center, Yorktown Heights, NY			

Examiner Signature	Date Considered			
	01/09/04			
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with				
next communication to applicant				

Substitute Form PTO 449
U.S Department of Commerce (Modified)

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

Attorney's Docket No. 10559-479001
Applicant Carl S. Marshall et al.

Filing Date

Group ATTIC CEVE

May 22, 2001 2671 (37 CFR §1.98(b)) DEC 0 4 2003 Other Documents (include Author, Title, Date, and Place of Publication) Technology Center 2600 Examiner Desig. Initial ID Document Cohen-Or et al., "Progressive Compression of Arbitrary Triangular Meshes" Computer Science ΑU Department, School of Mathematical Sciences, Tel Aviv, Israel Bajaj et al., "Progressive Compression and Transmission of Arbitrary Triangular Meshes" ΑV Department of Computer Sciences, University of Texas at Austin, Austin, TX Pajarola et al., "Compressed Progressive Meshes" Graphics, Visualization & Usability Center, AW College of Computing, Georgia Institute of Technology, January 1999 Alliez et al., "Progressive Compression for Lossless Transmission of Triangle Meshes" University AX of Southern California, Los Angeles, CA, 195-202 Chow "Optimized Geometry Compression for Real-time Rendering" Massachusetts Institute of ΑY Technology, Proceedings Visualization 1997, October 19-24, 1997, Phoenix, AZ, 347-354 Markosian "Real-Time Nonphotorealistic Rendering" Brown University site of the NSF Science and AZTechnology Center for Computer Graphics and Scientific Visualization, Providence, RI Elber "Line Art Rendering via a Coverage of Isoperimetric Curves, IEEE Transactions on Visualization and Computer Graphics, Vol. 1, Department of Computer Science, Technion, Israel **AAA** Institute of Technology, Haifa, Israel, September 1995 Zeleznik et al., "SKETCH: An Interface for Sketching 3D Scenes" Brown University site of the **ABB** NSF Science and Technology Center for Computer Graphics and Scientific Visualization, 1996 Landsdown et al., "Expressive Rendering: A Review of Nonphotorealistic Techniques" IEEE 5:W. ACC Computer graphics and Applicatons, 29-37, 1995 Raskar "Image Precision Silhouette Edges" University of North Carolina at Chapel Hill. Microsoft

Research, 1999 Symposium on Interactive 3D Graphics Atlanta, GA, 135-231, 1999

Ma et al., "Extracting Feature Lines for 3D Unstructured Grids" Institute for Computer Applications SiU **AEE** in Science and Engineering (ICASE), NASA Langley Research Center, Hampton, VA, IEEE, 1997 Samet "Applications of spatial data structures: computer graphics, image processing, and GIS" **AFF** University of Maryland, Addison-Wesley Publishing Company, 1060-1064, Reading, MA, June Dyn "A Butterfly Subdivision Scheme for Surface Interpolation with Tension Control" ACM AGG Transactions on Graphics, Vol. 9, No. 2, April 1990 Zorin "Interpolation Subdivision for Meshes With Arbitrary Topology" Department of Computer 5.4 AHH Science, California Institute of Technology, Pasadena, CA Lee "Navigating through Triangle Meshes Implemented as linear Quadtrees" Computer Science AII Department, Center for Automation Research, Institute for Advanced Computer Studies, University of Maryland College Park, MD, April 1998 AJJ **AKK** ALL **AMM**

SN

,

ADD

Examiner Signature	Date Considered			
	07/04/04			
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with				
next communication to applicant.	••			